

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013669**Date Inspected:** 04-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Gong Liang Zhu**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

Heavy Dock Jetty

This QA inspector, Baskar Govindarajan, performed Anchor bolt hole to Bearing stiffener distance measurement, on inside West shaft, Lift 1. These readings were taken along with QA Inspector Mr. Sandeep Kumar whose lot no. is B 227. The readings were covered in Skin A, Skin B, Skin C, Skin D and Skin E. During this measurement this QA Inspector found Skin A bearing stiffener is falling on top of Anchor bolt hole approximately 2.5 mm at the end of Main stiffener between Skin A to Skin B. This was reported to ABF inspector Mr. Bi de wei and ZPMC QC Mr. Zhao chen sun. Incident report has been written for this issue. All the reading taken was handed over to Task leader.(Photo attached)

Magnetic Particle Testing:

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a TL-6028 MT report for this date. The member is identified as Pipe sleeves at 47.6 mtr. Elevation of North, South, East and West towers at Trial assembly area. The weld designations reviewed are as follows:

WELDING INSPECTION REPORT

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SSD1- T 11 G/K, Jt. no. – 1 –South tower
WSD1- T 12 G/K, Jt. no. – 1 –West tower
ESD1- T 13 G/K, Jt. no. – 1 –East tower
NSD1- T 14 G/K, Jt. no. – 1 –North tower

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer